

## ABSTRACT

The invention relates to a digital receiver part of a spread spectrum receiver, to which receiver part an intermediate-frequency signal ( $S_{in}$ ) is applied, and from whose output a carrier and code demodulated signal ( $S_{out}$ ) is obtained, comprising a code mixer (204) for code demodulation of the signal by means of a local spreading code replica, a carrier mixer (202) for carrier demodulation of the signal by means of a local carrier replica, and first decimation means (305). The receiver part of the invention is characterized in that said code mixer (204) is arranged to precede said carrier mixer (202) on the signal path, said first decimation means (305) are arranged between said code mixer (204) and said carrier mixer (202), and the output of the carrier mixer (202) is functionally connected as an output ( $S_{out}$ ) of the digital receiver part.

(Figure 3A)